

CLINICAL PHARMACOLOGY and THERAPEUTICS

Editor

Walter Modell, M.D.

Sylvia Sokolsky, assistant to the Editor

Editorial Board

William T. Beaver, M.D.

Karl H. Beyer, Jr., M.D., Ph.D.

Hylan A. Bickerman, M.D.

Edward A. Carr, Jr., M.D.

Lord Cohen of Birkenhead, M.D., D.Sc.,
LL.D., F.R.C.P.

Allan H. Conney, Ph.D.

T. S. Danowski, M.D.

Arthur C. DeGraff, M.D.

Peter Dineen, M.D.

Alan K. Done, M.D.

David P. Earle, M.D.

Henry W. Elliott, M.D., Ph.D.

Arthur Grollman, M.D.

Franz Gross, M.D.

Arthur Hull Hayes, Jr., M.D.

Leo E. Hollister, M.D.

Ernest Jawetz, M.D., Ph.D.

David A. Karnofsky, M.D.

Richard H. Kessler, M.D.

Joseph B. Kirsner, M.D., Ph.D.

Kenneth G. Kohlstaedt, M.D.

Herbert S. Kupperman, Ph.D., M.D.

Louis Lasagna, M.D.

D. R. Laurence, M.D.

Gerhard Levy, Pharm.D.

T. A. Loomis, M.D., Ph.D.

Lois P. McCorkle, M.D.

Donald Mainland, M.B., D.Sc.

Tag E. Mansour, M.D.

Sidney Merlis, M.D.

Carl C. Pfeiffer, Ph.D., M.D.

R. K. Richards, M.D.

Albert Sjoerdsma

Marian B. Sulzberger, M.D.

Jay Tepperman, M.D.

Leroy D. Vandam, M.D.

Andrew Wilson, M.D.

Graham M. Wilson, M.D., F.R.C.P.,
F.R.C.P.E.

Volume 10, January-December, 1969

The C. V. Mosby Company, St. Louis

Volume 10
Copyright © 1969 by
The C. V. Mosby Company

All rights reserved

Printed in the United States of America

Index to volume 10

Author index

A

- ABRAHAM, JUAN. (See Peña, Ruiz, and Abraham), 110
- ABRAMS, WILLIAM B., AND SOLOMON, HARVEY, M.
The human platelet as a pharmacologic model for the adrenergic neuron, 702
— (See Joubert, Gaut, and Abrams), 250
— (See Pettinger et al.), 667
— (See Solomon et al.), 229
- ALLEY, R. A., TSAI, C. T., MORGAN, C. R., ROBINS, T. J., SABEH, G., HOFMANN, K., AND DANOWSKI, T. S. Serum free fatty acids, growth hormone, and insulin during trials of ACTH and synthetic subunits, 515
- ALVARES, ALVITO P., SCHILLING, GAYLE, LEVIN, WAYNE, KUNTZMAN, RONALD, BRAND, LEONARD, AND MARK, LESTER C. Cytochromes P-450 and b₅ in human liver microsomes, 655
- AMATRUDA, THOMAS T., JR. (See Hollingsworth and Amatruda), 540
- ANDERSSON, SVEN. (See Sjöqvist et al.), 826
- ARIET, MARIO. (See Cravenstein, Ariet, and Thornby), 660
- ASHLEY, CONSTANCE. (See Solomon et al.), 229
- ASLING, JOSEPH H. (See Berkowitz et al.), 320
- AZARNOFF, DANIEL L. (See Kolmodin, Azarnoff, and Sjöqvist), 638

B

- BANNER, MARC P. (See Rouge, Banner, and Smith), 643
- BARRY, KEVIN G. (See Brooks et al.), 85
— (See Gilliland et al.), 551
- BARTELLONI, PETER J. (See Brooks et al.), 85
- BAUKEMA, J. (See Glazko et al.), 498
- BEAVER, W. T., WALLENSTEIN, S. L., HOUDE, R. W., AND ROGERS, ADA. A comparison of the analgesic effects of profadol and morphine in patients with cancer, 314
- BEECHER, HENRY K. (See Smith and Beecher), 213
- BEER, E. GEORGE. (See Forrest et al.), 468
— (See Paddock et al.), 355

- BELLVILLE, J. WELDON. (See Forrest et al.), 468
— (See Paddock et al.), 355
- BERGLUND, FREDRIK. (See Sjöqvist et al.), 826
- BERKOWITZ, BARRY A., ASLING, JOSEPH H., SHNIDER, SOL M., AND WAY, E. LEONG. Relationship of pentazocine plasma levels to pharmacological reactivity in man, 320
—, AND WAY, E. LEONG. Metabolism and excretion of pentazocine in man, 681
- BIANCHINE, JOSEPH R. (See Weiss et al.), 401
- BLUMBERG, ARNOLD G., AND KLEIN, DONALD F. Chlorpromazine-procycloidine and imipramine; effects on thyroid function in psychiatric patients, 350
- BODEY, GERALD P. The effect of amphotericin B on the fungal flora in feces, 675
- BORGÅ, OLOF. (See Sjöqvist et al.), 826
- BRAND, LEONARD. (See Alvares et al.), 655
- BROMER, L. (See Smith, Thurm, and Bromer), 338
- BROOKS, MARION H., MALLOY, JOHN P., BARTELLONI, PETER J., SHEEHY, THOMAS W., AND BARRY, KEVIN G. Quinine, pyrimethamine, and sulphorhodimethoxine: Clinical response, plasma levels, and urinary excretion during the initial attack of naturally acquired falciparum malaria, 85
— (See Gilliland et al.), 551
- BROSS, I. D. J., SCHMIDT, M. L., DAO, T. L., AND NEMOTO, T. A statistical solution to an ethical problem, 307
- BROTHERTON, P. M., GRIEVESON, PHILLIDA, AND McMARTIN, C. A study of the metabolic fate of chlorpropamide in man, 505
- BROWN, HAROLD W. Anthelmintics, new and old, 5
- BRUTON, JOSEPH. (See Gilliland et al.), 551
- BUCHANAN, R. A. (See Glazko et al.), 498
- BURNS, J. J. (See Welch et al.), 817

C

- CHANG, T. (See Glazko, et al.), 498
- CHU, FLORENCE, C. H., PAULSHOCK, MARVIN, WALLENSTEIN, STANLEY L., HOUDE, RAYMOND W., AND PHILLIPS, RALPH. A controlled clinical trial of metopimazine and perphenazine in treatment of radiation nausea and vomiting, 800

- CILIBERTI, BENJAMIN J. (See Forrest et al.), 468
 —. (See Paddock et al.), 355
 COMBS, HAROLD F. (See Decker et al.), 710
 Committee on Problems of Drug Safety of the
 Drug Research Board, National Academy
 of Sciences-National Research Council.
 Application of metabolic data to the
 evaluation of drugs, 607
 CONKLIN, JOHN D., AND HAILEY, FRANCIS J. Uri-
 nary drug excretion in man during oral
 dosage of different nitrofurantoin formu-
 lations, 534
 CONNEY, A. H. (See Welch et al.), 100, 817
 CONOLLY, M. E. (See Dollery, Paterson, and Con-
 olly), 765
 CORBY, DONALD G. (See Decker et al.), 710
 CUTLER, RALPH E. (See Orme and Cutler), 543

D

- DALE, SIDNEY L. (See Melby and Dale), 344
 DANOWSKI, T. S. (See Alley et al.), 515
 DAO, T. L. (See Bross et al.), 307
 DAYTON, PETER G. (See Perel et al.), 834
 DECKER, WALTER J., SHPALL, ROBERT A., CORBY,
 DONALD G., COMBS, HAROLD F., AND
 PAYNE, CARL E. Inhibition of aspirin
 absorption by activated charcoal and
 apomorphine, 710
 DILL, W. A. (See Glazko et al.), 498
 DiMASCIO, ALBERTO. (See Greenblatt et al.), 530
 DITTERT, LEWIS W. (See Doluisio and Dittert),
 690
 DODDS, CHARLES. Oral contraceptives: The past
 and future, 147
 DOLLERY, C. T., PATERSON, J. W., AND CONOLLY,
 M. E. Clinical pharmacology of beta-
 receptor-blocking drugs, 765
 DOLUISIO, JAMES T., AND DITTERT, LEWIS W.
 Influence of repetitive dosing of tetra-
 cyclines on biologic half-life in serum,
 690
 DOMINO, EDWARD F., AND VON BAUMGARTEN,
 ALONA M. Tobacco cigarette smoking
 and patellar reflex depression, 72
 —. (See Sagales, Erill, and Domino), 522
 DUJOVNE, CARLOS A. (See Weiss et al.), 401

E

- ERILL, SERGIO. (See Sagales, Erill, and Domino),
 522
 ESTES, J. WORTH, PELIKAN, EDWARD W., AND
 KRÜGER-THIEMER, EKKEHARD. A retro-
 spective study of the pharmacokinetics of
 heparin, 329

F

- FERGUSON, ROGER K., AND MITCHELL, C. L. Pain
 as a factor in the development of toler-
 ance to morphine analgesia in man, 372
 FINSTER, M. (See Welch et al.), 100

- FITZGERALD, J. D. Perspectives in adrenergic beta-
 receptor blockade, 292
 FORREST, WILLIAM H., JR., BEER, E. GEORGE,
 BELLVILLE, J. WELDON, CILIBERTI, BEN-
 JAMIN J., MILLER, ELLIOTT V., AND
 PADDOCK, RICHARD. Analgesic and other
 effects of the *d*- and *l*-isomers of penta-
 zocine, 468
 —. (See Paddock et al.), 355

G

- GAUT, Z. (See Joubert, Gaut, and Abrams), 250
 GELBER, ROBERT, JACOBSEN, PETER, AND LEVY,
 LOUIS. A study of the availability of six
 commercial formulations of isoniazid, 841
 GILLILAND, PAUL F., BROOKS, MARION H., BRU-
 TON, JOSEPH, AND BARRY, KEVIN G. Ef-
 fect of antimalarial drugs and collection
 methods on urinary and plasma 17-hy-
 droxycorticosteroid determinations, 551
 GLAZKO, A. J., CHANG, T., BAUKEMA, J., DILL,
 W. A., GOULET, J. R., AND BUCHANAN,
 R. A. Metabolic disposition of diphenyl-
 hydantoin in normal human subjects fol-
 lowing intravenous administration, 498
 GLONTZ, GARY E. (See Perkins, Glontz, and
 Saslaw), 244
 GOLDBERG, LEON I. (See Rahn and Goldberg),
 858
 GOLDSTEIN, AVRAM, AND KAIZER, SOPHIA. Psy-
 chotropic effects of caffeine in man. III.
 A questionnaire survey of coffee drinking
 and its effects in a group of housewives,
 477
 —, —, AND WHITBY, OWEN. Psychotropic effects
 of caffeine in man. IV. Quantitative and
 qualitative differences associated with
 habituation to coffee, 489
 GOMMI, P. J. (See Welch et al.), 100
 GOULET, J. R. (See Glazko, et al.), 498
 GRAVENSTEIN, J. S., ARIET, MARIO, AND THORNBY,
 J. I. Atropine on the electrocardiogram,
 660
 —, AND THORNBY, J. I. Scopolamine on heart
 rates in man, 395
 GRAYBIEL, ASHTON. (See Miller and Graybiel),
 92
 GREENBLATT, DAVID J., DiMASCIO, ALBERTO,
 MESSIER, MICHAEL, AND STOTSKY, BER-
 NARD. Magnesium pemoline and job per-
 formance in mentally handicapped work-
 ers, 530
 GRIEVESON, PHILLIDA. (See Brotherton, Grievson,
 and McMartin), 505
 GROLLMAN, ARTHUR. Pathogenesis of hypertension
 and implications for its therapeutic man-
 agement, 755
 GULATI, RAVINDRA B. (See Mutalik and Gulati),
 635
 GUTMAN, ALEXANDER B. (See Perel et al.), 834

H

- HAHN, MARY ANNE. (See Liegler et al.), 849
HAILEY, FRANCIS J. (See Conklin and Hailey), 534
HAMMER, WOLFGANG, MÄRTENS, STEN, AND Sjöqvist, FOLKE. A comparative study of the metabolism of desmethylinipramine, nortriptyline, and oxyphenylbutazone in man, 44
— (See Sjöqvist et al.), 826
HARRISON, DONALD C. (See Perlroth and Harrison), 449
HARRISON, Y. E. (See Welch et al.), 100, 817
HARTHON, LENNART. (See Svedmyr, Harthon, and Lundholm), 559
HENDERSON, EDWARD S. (See Liegler et al.), 849
HERSEY, ROSCOE M. (See Weiss et al.), 401
HOFMANN, K. (See Alley et al.), 515
HOLLINGSWORTH, DOROTHY R., AND AMATRUDA, THOMAS, T., JR. Toxic and therapeutic effects of EMTP in obesity, 540
HOLLISTER, LEO E. Clinical use of psychotherapeutic drugs: Current status, 170
— (See Overall et al.), 36
HOUE, RAYMOND W. (See Beaver et al.), 314
— (See Chu et al.), 800

J

- JACOBSEN, PETER. (See Gelber, Jacobsen, and Levy), 841
JAFFE, JULIAN J. (See MacDonald et al.), 80
JARVIK, MURRAY E. (See Wolff et al.), 217
JENKINS, BERNARD. (See Maass et al.), 366
JOUBERT, L., GAUT, Z., AND ABRAMS, W. B. A new approach to the use of histamine skin tests in the study of antihistamine drugs, 250

K

- KAIZER, SOPHIA (See Goldstein and Kaizer), 477
— (See Goldstein, Kaizer, and Whitby), 489
KANTOR, THOMAS G. (See Wolff et al.), 217
KAPLAN, KENNETH. (See Meyers, Kaplan, and Weinstein), 810
KIMBELL, ISHAM, JR. (See Overall et al.), 36
KINGSBURY, JOHN M. Phytotoxicology. I. Major problems associated with poisonous plants, 163
KLEIN, DONALD F. (See Blumberg and Klein), 350
KOLMODIN, BIRGITTA, AZARNOFF, DANIEL L., AND Sjöqvist, FOLKE. Effect of environmental factors on drug metabolism: Decreased plasma half-life of antipyrine in workers exposed to chlorinated hydrocarbon insecticides, 638

- KORN, A. (See Pettinger et al.), 667
KORNETSKY, CONAN. (See Orzack, Taylor and Kornetsky), 258
KRÜGER-THIEMER, EKKEHARD. (See Estes, Pelikan, and Krüger-Thiemer), 329
KUNTZMAN, RONALD. (See Alvares et al.), 655

L

- LANT, ARIEL F., SMITH, ANTHONY J., AND WILSON, GRAHAM M. Clinical evaluation of amiloride, a potassium-sparing diuretic, 50
LASKA, EUGENE. (See Wolff et al.), 217
LEONARDS, JACK R., AND LEVY, GERHARD. Reduction or prevention of aspirin-induced occult gastrointestinal blood loss in man, 571
LEVIN, WAYNE. (See Alvares et al.), 655
LEVY, GERHARD. (See Leonards and Levy), 571
— (See Nagashima, O'Reilly, and Levy), 22
LEVY, LOUIS. (See Gelber, Jacobsen, and Levy), 841
LIEGLER, DONALD G., HENDERSON, EDWARD S., HAHN, MARY ANNE, AND OLIVERIO, VINCENT T. The effect of organic acids on renal clearance of methotrexate in man, 849
LUNDHOLM, LENNART. (See Svedmyr, Harthon, and Lundholm), 559

M

- MAASS, ALFRED R., JENKINS, BERNARD, SHEN, YVONNE, AND TANNENBAUM, PHILIP. Studies on absorption, excretion, and metabolism of ³H-reserpine in man, 366
MACARAEG, PLACIDO V. J., JR. (See Russell, Macaraeg, and Schrogie), 265
MACDONALD, MURDO G., ROBINSON, DONALD S., SYLWESTER, DAVID, AND JAFFE, JULIAN J. The effects of phenobarbital, chloral betaine, and glutethimide administration on warfarin plasma levels and hypoprothrombinemic responses in man, 80
MCMARTIN, C. (See Brotherton, Grieson, and McMartin), 505
MAINLAND, DONALD. Is the difference statistically significant?—An innocent request for quack treatment, 436
— Statistical ward rounds, 118, 272, 407, 576, 714, 867
MALLOY, JOHN P. (See Brooks et al.), 85
MARK, LESTER C. Archaic classification of barbiturates, 287
— (See Alvares et al.), 655
MÄRTENS, STEN. (See Hammer, Mårtens, and Sjöqvist), 44

- MELBY, JAMES C., AND DALE, SIDNEY L. Comparison of absorption, disposal, and activity of soluble and repository corticosteroid esters, 344
- MELMON, KENNETH L., AND MORRELLI, HOWARD F. The need to test the efficacy of the instructional aspects of clinical pharmacology (Edit.), 431
- MESSIER, MICHAEL. (See Greenblatt et al.), 530
- MEYERS, BURT R., KAPLAN, KENNETH, AND WEINSTEIN, LOUIS. Cephalexin: Microbiological effects and pharmacologic parameters in man, 810
- MILLER, EARL F., II, AND GRAYBIEL, ASHTON. Effect of drugs on ocular counterrolling, 92
- MILLER, ELLIOTT V. (See Forrest et al.), 468
— (See Paddock et al.), 355
- MITCHELL, C. L. (See Ferguson and Mitchell), 372
- MONCRIEF, JOHN A. Topical therapy of the burn wound: Present status, 439
- MORGAN, C. R. (See Alley et al.), 515
- MORRELLI, HOWARD F. (See Melmon and Morrelli) (Edit.), 431
- MUTALIK, GURURAJ S., AND GULATI, RAVINDRA B. Clinical trial of bitoscanate in hookworm disease, 635
- MYERS, RAYMOND H. (See Ott and Myers), 207

N

- NADASDI, MIKLOS, AND ZSOTÉR, THOMAS T. The effect of meperidine on the peripheral circulation, 239
- NAGASHIMA, R., O'REILLY, R. A., AND LEVY, G. Kinetics of pharmacologic effects in man: The anticoagulant action of warfarin, 22
- NEMOTO, T. (See Bross et al.), 307

O

- OLIVERIO, VINCENT T. (See Liegler et al.), 849
- O'REILLY, R. A. (See Nagashima, O'Reilly, and Levy), 22
- ORME, BURTON M., AND CUTLER, RALPH E. The relationship between kanamycin pharmacokinetics; distribution and renal function, 543
- ORZACK, MARESSA HECHT, TAYLOR, CONSTANCE L., AND KORNETSKY, CONAN. A comparison of the behavioral effects of periodic administration of chlorpromazine and a "sustained release" form of chlorpromazine, 258
- OTT, R. LYMAN, AND MYERS, RAYMOND H. Experimental designs for estimating effective doses, 207

- OVERALL, JOHN E., HOLLISTER, LEO E., SHELTON, JACK, KIMBELL, ISHAM, JR., AND PENNINGTON, VERONICA. Broad-spectrum screening of psychotherapeutic drugs: Thiothixene as an antipsychotic and antidepressant, 36

P

- PADDOCK, RICHARD, BEER, E. GEORGE, BELLVILLE, J. WELDON, CILIBERTI, BENJAMIN J., FORREST, WILLIAM H., JR., AND MILLER, ELLIOTT V. Analgesic and side effects of pentazocine and morphine in a large population of postoperative patients, 355
— (See Forrest et al.), 468
- PALMER, ROGER F. Drug misuse and physician education, 1
- PARKHOUSE, JAMES. Experiments and reports (Edit.), 597
- PATERSON, J. W. (See Dollery, Paterson, and Conolly), 765
- PAULSHOCK, MARVIN. (See Chu et al.), 800
- PAYNE, CARL E. (See Decker et al.), 710
- PELIKAN, EDWARD W. (See Estes, Pelikan, and Krüger-Thiemer), 329
- PEÑA, JOSÉ CARLOS, RUÍZ, FRANCISCO, AND ABRAHAM, JUAN. Impaired water excretion following diuretic therapy, 110
- PENNINGTON, VERONICA. (See Overall et al.), 36
- PEREL, JAMES M., DAYTON, PETER G., SNELL, M. McMILLAN, YÜ, T. F., AND GUTMAN, ALEXANDER B. Studies of interactions among drugs in man at the renal level: Probenecid and sulfinpyrazone, 834
- PERKINS, ROBERT L., GLONTZ, GARY E., AND SASLAW, SAMUEL. Cephaloglycin: Crossover absorption studies and clinical evaluation, 244
- PERLROTH, MARK G., AND HARRISON, DONALD C. Cardiogenic shock: A review, 449
- PETTINGER, W. A., KORN, A., SPIEGEL, H., SOLOMON, H. M., POCELINKO, R., AND ABRAMS, W. B. Debrisoquin, a selective inhibitor of intraneuronal monoamine oxidase in man, 667
- PHILLIPS, RALPH. (See Chu et al.), 800
- POCELINKO, R. (See Pettinger et al.), 667
- POPPERS, P. J. (See Welch et al.), 100
- PRESCOTT, L. F. The metabolism of phenacetin in patients with renal disease, 383

R

- RAHN, K. HEINZ, AND GOLDBERG, LEON I. Comparison of antihypertensive efficacy, intestinal absorption, and excretion of guanethidine in hypertensive patients, 858
- RICHARDS, RICHARD K. Economics of the development of new anticonvulsant drugs, 602

- ROBBINS, T. J. (See Alley et al.), 515
ROBINSON, DONALD S. (See MacDonald et al.), 80
ROGERS, ADA. (See Beaver et al.), 314
ROUGE, JEAN-CLAUDE, BANNER, MARC P., AND SMITH, THEODORE C. Interactions of levallorphan and meperidine, 643
RUÍZ, FRANCISCO. (See Peña, Ruíz, and Abraham), 110
RUSSELL, R. PATTERSON, MACARAEG, PLACIDO V. J., JR., AND SCHROGIE, JOHN J. Comparison of clorexolone, a new diuretic, with hydrochlorothiazide, 265

S

- SABEH, C. (See Alley et al.), 515
SAGALES, TERESA, ERILL, SERGIO, AND DOMINO, EDWARD F. Differential effects of scopolamine and chlorpromazine on REM and NREM sleep in normal male subjects, 522
SASLAW, SAMUEL. (See Perkins, Glontz, and Saslaw), 244
SCHILLING, GAYLE. (See Alvares et al.), 655
SCHMIDT, M. L. (See Bross et al.), 307
SCHROGIE, JOHN J. (See Russell, Macaraeg, and Schrogie), 265
SHEEHY, THOMAS W. (See Brooks et al.), 85
SHELTON, JACK. (See Overall et al.), 36
SHEN, YVONNE. (See Maass et al.), 366
SHNIDER, SOL M. (See Berkowitz et al.), 320
SHPALL, ROBERT A. (See Decker et al.), 710
SJÖQVIST, FOLKE, BERGLUND, FREDRIK, BORCÅ, OLOF, HAMMER, WOLFGANG, ANDERSSON, SVEN, AND THORSTRAND, CURT. The pH-dependent excretion of monomethylated tricyclic antidepressants, 826
—, (See Hammer, Mårtens, and Sjöqvist), 44
—, (See Kolmodin, Azarnoff, and Sjöqvist), 638
SMITH, ANTHONY J. (See Lant, Smith, and Wilson), 50
SMITH, GENE M., AND BEECHER, HENRY K. Experimental production of pain in man: Sensitivity of a new method to 600 mg. of aspirin, 213
SMITH, THEODORE C. (See Rouge, Banner, and Smith), 643
SMITH, W. M., THURM, R. H., AND BROMER, L. Comparative evaluation of Rauwolfia whole root and reserpine, 338
SNEDDON, J. M., AND TURNER, PAUL. Ephedrine mydriasis in hypertension and the response to treatment, 64
SNELL, M. McMILLAN. (See Perel et al.), 834
SOLOMON, HARVEY M., ASHLEY, CONSTANCE, SPIRT, NENA, AND ABRAMS, WILLIAM B. The influence of debrisoquin on the accumulation and metabolism of biogenic amines by the human platelet, in vivo and in vitro, 229

- , (See Abrams and Solomon), 702
—, (See Pettinger et al.), 667
SPIEGEL, H. (See Pettinger et al.), 667
SPIRT, NENA. (See Solomon et al.), 229
STOTSKY, BERNARD. (See Greenblatt et al.), 530
SVEDMYR, NILS, HARTHON, LENNART, AND LUNDHOLM, LENNART. The relationship between the plasma concentration of free nicotinic acid and some of its pharmacologic effects in man, 559
SYLWESTER, DAVID. (See MacDonald et al.), 80
TANNENBAUM, PHILIP. (See Maass et al.), 366

T

- TAYLOR, CONSTANCE L. (See Orzack, Taylor, and Kornetsky), 258
THORNBY, J. I. (See Gravenstein, Ariet, and Thornby), 660
—, (See Gravenstein and Thornby), 395
THORSTRAND, CURT. (See Sjöqvist et al.), 826
THURM, R. H. (See Smith, Thurm, and Bromer), 338
TSAI, C. T. (See Alley et al.), 515
TURNER, PAUL. (See Sneddon and Turner), 64

V

- VON BAUMGARTEN, ALONA M. (See Domino and von Baumgarten), 72

W

- WAAL-MANNING, HENDRIKA J. Effect of propranolol on the duration of the Achilles tendon reflex, 199
WALLENSTEIN, STANLEY L. (See Beaver et al.), 314
—, (See Chu et al.), 800
WAY, E. LEONG. (See Berkowitz and Way), 681
—, (See Berkowitz et al.), 320
WEINSTEIN, LOUIS. (See Meyers, Kaplan, and Weinstein), 810
WEISS, PETER, HERSEY, ROSCOE M., DUJOVNE, CARLOS A., AND BIANCHINE, JOSEPH R. The metabolism of amiloride hydrochloride in man, 401
WELCH, R. M., HARRISON, Y. E., CONNEY, A. H., AND BURNS, J. J. An experimental model in dogs for studying interactions of drugs with bishydroxycoumarin, 817
—, HARRISON, Y. E., GOMMI, B. W., POPPERS, P. J., FINSTER, M., AND CONNEY, A. H. Stimulatory effect of cigarette smoking on the hydroxylation of 3,4-benzpyrene and the N-demethylation of 3-methyl-4-monomethylaminoazobenzene by enzymes in human placenta, 100
WHITBY, OWEN. (See Goldstein, Kaizer, and Whitby), 489

WILSON, GRAHAM M. (*See* Lant, Smith, and Wilson), 50

WOLFF, B. BERTHOLD, KANTOR, THOMAS G., JARVIK, MURRAY E., AND LASKA, EUGENE. Response of experimental pain to analgesic drugs. III. Codeine, aspirin, secobarbital, and placebo, 217

Y

Yü, T. F. (*See* Perel et al.), 834

Z

ZSOTÉR, THOMAS T. (*See* Nadasdi and Zsotér), 239

Subject index

A

- Absorption. *See* under specific drug
- Achilles tendon reflex, effect of propranolol on duration (Waal-Manning), 199
- Acid, nicotinic, free, plasma concentration, and some of its pharmacologic effects in man, relationship between (Svedymr, Harthorn, and Lundholm), 559
- Acids, fatty, serum free, growth hormone, and insulin during trials of ACTH and synthetic subunits (Alley et al.), 515
 - organic, effect on renal clearance of methotrexate in man (Liegler et al.), 849
- ACTH and synthetic subunits, serum free fatty acids, growth hormone, and insulin during trials (Alley et al.), 515
- Adrenergic beta-receptor blockade, perspectives in (Fitzgerald), 292
 - neuron, human platelet as pharmacologic model for (Abrams and Solomon), 702
- Adrenocorticotrophic hormone (ACTH), and synthetic subunits, serum free fatty acids, growth hormone, and insulin during trials (Alley et al.), 515
- Alcohol and other drugs, combined effects (Forney and Hughes), (B. rev.), 745
- American Drug Index (Wilson and Jones) (B. rev.), 419
- Amiloride hydrochloride, metabolism, in man (Weiss et al.), 401
 - potassium-sparing diuretic, clinical evaluation (Lant, Smith, and Wilson), 50
- Amines, biogenic, accumulation and metabolism by human platelet, in vivo and in vitro, influence of debrisoquin on (Solomon et al.), 229
- Amphotericin B on fungal flora in feces, effect (Bodey), 675
- Analgesia, morphine, in man, pain as factor in development of tolerance to (Ferguson and Mitchell), 372
- Analgesic drugs, response of experimental pain to; codeine, aspirin, secobarbital, and placebo (Wolff et al.), 217

Analgesic—Cont'd

- effects of profadol and morphine in patients with cancer, comparison (Beaver et al.), 314
- and other effects of *d*- and *l*-isomers of pentazocine (Forrest et al.), 468
- and side effects of pentazocine and morphine in large population of postoperative patients (Paddock et al.), 355
- Announcements, 132, 284, 421, 743, 901
- Anthelmintics, new and old (Brown), 5
- Anticoagulant action of warfarin; kinetics of pharmacologic effects in man (Nagashima, O'Reilly, and Levy), 22
- Anticonvulsant drugs, new, economics of development, (Richards), 602
- Antidepressant and antipsychotic, thiothixene as; broad-spectrum screening of psychotherapeutic drugs (Overall et al.), 36
- Antidepressants, monomethylated tricyclic, pH-dependent excretion (Sjöqvist et al.), 826
- Antihistamine drugs, new approach to use of histamine skin tests in study (Joubert, Gaut, and Abrams), 250
- Antihypertensive efficacy, intestinal absorption, and excretion of guanethidine, comparison in hypertensive patients (Rahn and Goldberg), 858
- Antimalarial drugs and collection methods, effect on urinary and plasma 17-hydroxycorticosteroid determinations (Gilliland et al.), 551
- Antipsychotic and antidepressant, thiothixene as; broad-spectrum screening of psychotherapeutic drugs (Overall et al.), 36
- Antipyrine, decreased plasma half-life, in workers exposed to chlorinated hydrocarbon insecticides; effect of environmental factors on drug metabolism (Kolmodin, Azarnoff, and Sjöqvist), 638
- Apomorphine, activated charcoal and, inhibition of aspirin absorption by (Decker et al.), 710
- Aspirin absorption, inhibition by activated charcoal and apomorphine (Decker et al.), 710
 - induced occult gastrointestinal blood loss in man, reduction or prevention (Leonards and Levy), 571

Aspirin—Cont'd

- secobarbital, and placebo, codeine and; response of experimental pain to analgesic drugs (Wolff et al.), 217
- 600 mg., sensitivity of new method to; experimental production of pain in man (Smith and Beecher), 213
- Atropine on electrocardiogram (Cravenstein, Ariet, and Thornby), 660
- Azathioprine; Imuran (Official lit. new drugs), 136

B

- Barbiturates, archaic classification (Mark), 287
- Benzpyrene, 3,4-, hydroxylation, and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by enzymes in human placenta, stimulatory effect of cigarette smoking on (Welch et al.), 100
- Beta-receptor blockade, adrenergic, perspectives in (Fitzgerald), 292
- blocking drugs, clinical pharmacology (Dollery, Paterson, and Conolly), 765
- Biological basis of medicine, vol. 1 (Bittar and Bittar), (B. rev.), 419; vol. 2 (Bittar) (B. rev.), 587
- Biology, regulatory, problems in; spider's web (Reed and Peakall) (B. rev.), 745
- Bishydroxycoumarin, drugs with, experimental model in dogs for studying interactions (Welch et al.), 817
- Bitoscanate in hookworm disease, clinical trial (Mutalik and Gulati), 635
- Blockade, adrenergic beta-receptor, perspectives in (Fitzgerald), 292
- Blocking drugs, beta-receptor-, clinical pharmacology (Dollery, Paterson, and Conolly), 765
- Blood loss in man, occult gastrointestinal, aspirin-induced, reduction or prevention (Leonards and Levy), 571
- Books received, 130, 283, 420, 589, 747, 903
- Book reviews, 125, 282, 419, 587, 745, 902
- Broad-spectrum screening of psychotherapeutic drugs; thiothixene as antipsychotic and antidepressant (Overall et al.), 36
- Burn wound, topical therapy; present status (Moncrief), 439
- Butaperazine maleate; Repoise maleate (Official lit. new drugs), 428

C

- Caffeine, psychotropic effects in man; quantitative and qualitative differences associated with habituation to coffee (Goldstein, Kaizer, and Whitby), 489
- questionnaire survey of coffee drinking and its effects in a group of housewives (Goldstein and Kaizer), 477
- Cancer, comparison of analgesic effects of pro-fadol and morphine in patients with (Beaver et al.), 314
- Cardiogenic shock; review (Perlroth and Harrison), 449
- Cells, animal, interaction of drugs and subcellular components in (Campbell) (B. rev.), 282
- Cephalexin; microbiological effects and pharmacologic parameters in man (Meyers, Kaplan, and Weinstein), 810
- Cephaloglycin; crossover absorption studies and clinical evaluation (Perkins, Clontz, and Saslaw), 244
- Charcoal, activated, and apomorphine, inhibition of aspirin absorption by (Decker et al.), 710
- Chemotherapy, advances (Goldin, Hawking, and Schnitzer) (B. rev.), 126
- Chloral betaine, glutethimide, and phenobarbital administration, effects on warfarin plasma levels and hypoprothrombinemic responses in man (MacDonald et al.), 80
- Chlorpromazine, comparison of behavioral effects of periodic administration and "sustained-release" form (Orzack, Taylor, and Kornetsky), 258
- procyclidine and imipramine; effects on thyroid function in psychiatric patients (Blumberg and Klein), 350
- scopolamine and, on REM and NREM sleep in normal male subjects, differential effects (Sagales, Erill, and Domino), 522
- Chlorpropamide, study of metabolic fate, in man (Brotherton, Grieson, and McMartin), 505
- Cigarette smoking on hydroxylation of 3,4-benzpyrene and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by enzymes in human placenta, stimulatory effect (Welch et al.), 100
- tobacco, and patellar reflex depression (Domino and von Baumgarten), 72
- Circulation, peripheral, effect of meperidine on (Nadasdi and Zsotér), 239
- Clever Hans: horse of Mr. von Osten (Pfungst) (B. rev.), 125
- Clorexolone, new diuretic, comparison with hydrochlorothiazide (Russell, Macaraeg, and Schrogie), 265
- Codeine, aspirin, secobarbital, and placebo; response of experimental pain to analgesic drugs (Wolff et al.), 217
- Coffee drinking and its effects in a group of housewives, questionnaire survey; psychotropic effects of caffeine in man (Goldstein and Kaizer), 477

Coffee—Cont'd

- habituation to, quantitative and qualitative differences associated with; psychotropic effects of caffeine in man (Goldstein, Kaizer, and Whitby), 489
- Contraceptives, oral, past and future (Dodds), 147
- Correspondence, 134, 416, 737
- Corticosteroid esters, soluble and repository, comparison of absorption, disposal, and activity (Melby and Dale), 344
- Counterrolling, ocular, effect of drugs on (Miller and Graybiel), 92
- Cytochromes P-450 and b₅ in human liver microsomes (Alvares et al.), 655

D

- Debrisoquin, influence on accumulation and metabolism of biogenic amines by human platelet, in vivo and in vitro (Solomon et al.), 229
 - selective inhibitor of intraneuronal monoamine oxidase in man (Pettinger et al.), 667
- Deferoxamine mesylate; Desferal mesylate (Official lit. new drugs), 595
- Demethylation, N-, of 3-methyl-4-monoaminoazobenzene, hydroxylation of 3,4-benzpyrene and, by enzymes in human placenta, stimulatory effect of cigarette smoking on (Welch et al.), 100
- Desferal mesylate; deferoxamine mesylate (Official lit. new drugs), 595
- Desmethylinipramine, nortriptyline, and oxyphenylbutazone, comparative study of metabolism in man (Hammer, Mårtens, and Sjöqvist), 44
- Diphenylhydantoin, metabolic disposition in normal human subjects following intravenous administration (Glazko et al.), 498
- Disease, hookworm, clinical trial of bitoscanate in (Mutalik and Gulati), 635
 - renal, metabolism of phenacetin in patients with (Prescott), 383
- Diuretic, new, clorexolone, comparison with hydrochlorothiazide (Russell, Macaraeg, and Schrogie), 265
 - potassium-sparing, amiloride, clinical evaluation (Lant, Smith, and Wilson), 50
 - therapy, impaired water excretion following (Peña, Ruiz, and Abraham), 110
- Doses, effective, experimental designs for estimating (Ott and Myers), 207
- Drug(s) action, principles (Goldstein, Aronow, and Sumner) (B. rev.), 902
 - analgesic, response of experimental pain to; codeine, aspirin, secobarbital, and placebo (Wolff et al.), 217
 - anticonvulsant, new, economics of development (Richards), 602

Drug(s)—Cont'd

- antihistamine, new approach to use of histamine skin tests in study (Joubert, Gaut, and Abrams), 250
- antimalarial, and collection methods, effect on urinary and plasma 17-hydroxycorticosteroid determinations (Gilliland et al.), 551
- beta-receptor-blocking, clinical pharmacology (Dollery, Paterson, and Corolly), 765
 - with bishydroxycoumarin, experimental model in dogs for studying interactions (Welch et al.), 817
- evaluation, application of metabolic data to (Committee on Problems of Drug Safety), 607
- excretion, urinary, in man during oral dosage of different nitrofurantoin formulations (Conklin and Hailey), 534
- isolation and identification in pharmaceuticals, body fluids, and post-mortem material (Clarke) (B. rev.), 587
- metabolism, effect of environmental factors on; decreased plasma half-life of antipyrine in workers exposed to chlorinated hydrocarbon insecticides (Kolmodin, Azarnoff, and Sjöqvist), 638
- misuse and physician education (Palmer), 1
 - on ocular counterrolling, effect (Miller and Graybiel), 92
- psychotherapeutic, broad-spectrum screening; thiothixene as antipsychotic and antidepressant (Overall et al.), 36
 - clinical use; current status (Hollister), 170
- research, progress in (Jucker) (B. rev.), 745
- side effects; survey of unwanted effects reported in 1965-1967 (Meyler and Herxheimer) (B. rev.), 746
- studies of interactions, in man, at renal level; probenecid and sulfinpyrazone (Perel et al.), 834
- and subcellular components in animal cells, interaction (Campbell) (B. rev.), 282

E

- Education: need to test efficacy of instructional aspects of clinical pharmacology (Mellmon and Morrelli) (Edit.), 431
 - physician, drug misuse and (Palmer), 1
- Electrocardiogram, atropine on (Gravenstein, Ariet, and Thornby), 660
- EMTP in obesity, toxic and therapeutic effects (Hollingsworth and Amatrudda), 540
- Environmental factors, effect on drug metabolism; decreased plasma half-life of antipyrine in workers exposed to chlorinated hydrocarbon insecticides (Kolmodin, Azarnoff, and Sjöqvist), 638

- Enzymes in human placenta, stimulatory effect of cigarette smoking on hydroxylation of 3,4-benzopyrene and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by (Welch et al.), 100
- Ephedrine mydriasis in hypertension and response to treatment (Sneddon and Turner), 64
- Esters, corticosteroid, soluble and repository, comparison of absorption, disposal, and activity (Melby and Dale), 344
- Excretion, antihypertensive efficacy, intestinal absorption and, of guanethidine, comparison in hypertensive patients (Rahn and Goldberg), 858
- of pentazocine, metabolism and, in man (Berkowitz and Way), 681
- pH-dependent, of monomethylated tricyclic antidepressants (Sjöqvist et al.), 826
- urinary, clinical response, plasma levels and, during initial attack of naturally acquired falciparum malaria; quinine, pyrimethamine, and sulphorthodimethoxine (Brooks et al.), 85
- drug, in man, during oral dosage of different nitrofurantoin formulations (Conklin and Hailey), 534
- water, impaired, following diuretic therapy (Peña, Ruiz, and Abraham), 110
- Experiments and reports (Parkhouse) (Edit.), 597

F

- Falciparum malaria, naturally acquired, clinical response, plasma levels, and urinary excretion during initial attack; quinine, pyrimethamine, and sulphorthodimethoxine (Brooks et al.), 85
- Fatty acids, serum free, growth hormone, and insulin during trials of ACTH and synthetic subunits (Alley et al.), 515
- Feces, fungal flora in, effect of amphotericin B on (Bodey), 675
- Flora, fungal, in feces, effect of amphotericin B on (Bodey), 675

G

- Gastrointestinal blood loss in man, occult, aspirin-induced, reduction or prevention (Leonards and Levy), 571
- Glutethimide, phenobarbital, chloral betaine and, effects of administration on warfarin plasma levels and hypoprothrombinemic responses in man (MacDonald et al.), 80
- Guanethidine, comparison of antihypertensive efficacy, intestinal absorption, and excretion in hypertensive patients (Rahn and Goldberg), 858

H

- Heart rates, in man, scopolamine on (Cravenstein and Thornby), 395
- Heparin, retrospective study of pharmacokinetics (Estes, Pelikan, and Krüger-Thiemer), 329
- Histamine skin tests in study of antihistamine drugs, new approach to use (Joubert, Gaut, and Abrams), 250
- Hookworm disease, clinical trial of bitoscanate in (Mutalik and Gulati), 635
- Hormone, growth, serum free fatty acids, and insulin during trials of ACTH and synthetic subunits (Alley et al.), 515
- Hydrea; Squibb Hydroxyurea (Official lit. new drugs), 142
- Hydrocarbon insecticides, chlorinated, decreased plasma half-life of antipyrine in workers exposed to; effect of environmental factors on drug metabolism (Kolmodin, Azarnoff, and Sjöqvist), 638
- Hydrochlorothiazide, comparison of clorexolone, new diuretic, with (Russell, Macaraeg, and Schrogie), 265
- Hydroxycorticosteroid, 17-, determinations, urinary and plasma, effect of antimalarial drugs and collection methods on (Cilliland et al.), 551
- Hydroxylation of 3,4-benzopyrene and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by enzymes in human placenta, stimulatory effect of cigarette smoking on (Welch et al.), 100
- Hypertension, ephedrine mydriasis in, and response to treatment (Sneddon and Turner), 64
- pathogenesis, and implications for its therapeutic management (Grollman), 755
- Hypertensive patients, comparison of antihypertensive efficacy, intestinal absorption, and excretion of guanethidine in (Rahn and Goldberg), 858
- Hypoglycaemic agents, oral: pharmacology and therapeutics (Campbell) (B. rev.), 903
- Hypoprothrombinemic responses and warfarin plasma levels, in man, effects of phenobarbital, chloral betaine, and glutethimide administration on (MacDonald et al.), 80

I

- Imipramine, chlorpromazine-procycloidine and; effects on thyroid function in psychiatric patients (Blumberg and Klein), 350
- Imuran; azathioprine (Official lit. new drugs), 136

- Indolealkylamine derivatives, biological role; advances in pharmacology (Garattini and Shore) (B. rev.), 128
- Insecticides, chlorinated hydrocarbon, decreased plasma half-life of antipyrine in workers exposed to; effect of environmental factors on drug metabolism (Kolmodin, Azarnoff, and Sjöqvist), 638
- Insulin, serum free fatty acids, growth hormone and, during trials of ACTH and synthetic subunits (Alley et al.), 515
- Intestinal absorption, antihypertensive efficacy, and excretion of guanethidine, comparison in hypertensive patients (Rahn and Goldberg), 858
- Isomers, *d*- and *l*-, of pentazocine, analgesic and other effects (Forrest et al.), 468
- Isoniazid, six commercial formulations, study of availability (Gelber, Jacobsen, and Levy), 841

K

- Kanamycin pharmacokinetics, relationship between; distribution and renal function (Orme and Cutler), 543
- Karnofsky, David; obituary (Announcement), 901
- Kinetics of pharmacologic effects in man; antipsychotic action of warfarin (Nagashima, O'Reilly, and Levy), 22

L

- Levallorphan and meperidine, interactions (Rouge, Banner, and Smith), 643
- Liver microsomes, human, cytochromes P-450 and b_5 in (Alvares et al.), 655

M

- Magnesium pemoline and job performance in mentally handicapped workers (Greenblatt et al.), 530
- Malaria, falciparum, naturally acquired, clinical response, plasma levels, and urinary excretion during initial attack; quinine, pyrimethamine, and sulphorthodimethoxine (Brooks et al.), 85
- Medicine, biological basis, vol. 1 (Bittar and Bittar) (B. rev.), 419; vol. 2 (Bittar) (B. rev.), 587
- Mentally handicapped workers, magnesium pemoline and job performance in (Greenblatt et al.), 530
- Meperidine, levallorphan and, interactions (Rouge, Banner, and Smith), 643
- on peripheral circulation, effect (Nadasdi and Zsotér), 239
- Merck Index (Stecher) (B. rev.), 282
- Metabolism. *See* under specific drugs

- Methotrexate, renal clearance in man, effect of organic acids on (Liegler et al.), 849
- Metopimazine and perphenazine, controlled clinical study in treatment of radiation nausea and vomiting (Chu et al.), 800
- Microsomes, human liver, cytochromes P-450 and b_5 in (Alvares et al.), 655
- Monoamine oxidase, debrisoquin, selective inhibitor in man (Pettinger et al.), 667
- Monomethylaminoazobenzene, 3-methyl-4, N-demethylation, hydroxylation of 3,4-benzpyrene and, by enzymes in human placenta, stimulatory effect of cigarette smoking on (Welch et al.), 100
- Monomethylated tricyclic antidepressants, pH-dependent excretion (Sjöqvist et al.), 826
- Morphine analgesia, in man, pain as factor in development of tolerance to (Ferguson and Mitchell), 372
- pentazocine and, analgesic and side effects in large population of postoperative patients (Paddock et al.), 355
- profadol and, in patients with cancer, comparison of analgesic effects (Beaver et al.), 314
- Mydriasis, ephedrine, in hypertension and response to treatment (Sneddon and Turner), 64

N

- Nausea and vomiting, radiation, controlled clinical study of metopimazine and perphenazine in treatment (Chu et al.), 800
- Neuron, adrenergic, human platelet as pharmacologic model for (Abrams and Solomon), 702
- Nicotinic acid, free, plasma concentration, and some of its pharmacologic effects in man, relationship between (Svedmyr, Harthorn, and Lundholm), 559
- Nitrofurantoin formulations, different, urinary drug excretion in man during oral dosage (Conklin and Hailey), 534
- Nortriptyline, oxyphenylbutazone, and desmethyl-imipramine, comparative study of metabolism in man (Hammer, Mårtens, and Sjöqvist), 44

O

- Obesity, EMTP in, toxic and therapeutic effects (Hollingsworth and Amatruda), 540
- Obituary; David Karnofsky (Announcement), 901
- Ocular counterrolling, effect of drugs on (Miller and Graybiel), 92
- Official literature on new drugs, 136, 142, 285, 423, 428, 591, 595, 749, 904

- Oral contraceptives, past and future (Dodds), 147
- Organic acids, effect on renal clearance of methotrexate in man (Liegler et al.), 849
- Oxyphenylbutazone, desmethylimipramine, nortriptyline and, comparative study of metabolism in man (Hammer, Mårten, and Sjöqvist), 44
- P*
- Pain, experimental, response to analgesic drugs; codeine, aspirin, secobarbital, and placebo (Wolff et al.), 217
- as factor in development of tolerance to morphine analgesia in man (Ferguson and Mitchell), 372
- in man, experimental production; sensitivity of new method to 600 mg. of aspirin, (Smith and Beecher), 213
- Patellar reflex depression, tobacco cigarette smoking and (Domino and von Baumgarten), 72
- Pemoline, magnesium, and job performance in mentally handicapped workers (Greenblatt et al.), 530
- Pentapiperide methylsulfate; Quilene (Official lit. new drugs), 904
- Pentazocine, *d*- and *l*-isomers, analgesic and other effects (Forrest et al.), 468
- metabolism and excretion in man (Berkowitz and Way), 681
- and morphine, analgesic and side effects in large population of postoperative patients (Paddock et al.), 355
- plasma levels, relationship to pharmacological activity in man (Berkowitz et al.), 320
- Perphenazine, metopimazine and, controlled clinical study in treatment of radiation nausea and vomiting (Chu et al.), 800
- pH-dependent excretion of monomethylated tricyclic antidepressants (Sjöqvist et al.), 826
- Pharmacokinetics, kanamycin, relationship between; distribution and renal function (Orme and Cutler), 543
- Pharmacological principles and practice (Paton and Payne) (B. rev.), 127
- Pharmacology, advances in; biological role of indolealkylamine derivatives (Garattini and Shore) (B. rev.), 128
- annual review (Elliott) (B. rev.), 589
- applied (Wilson and Schild) (B. rev.), 127
- clinical, of beta-receptor-blocking drugs (Dollery, Paterson, and Conolly), 765
- need to test efficacy of instructional aspects (Melmon and Morrelli) (Edit.), 431
- recent advances (Robson and Stacey) (B. rev.), 589
- Phenacetin in patients with renal disease, metabolism (Prescott), 383
- Phenobarbital, chloral betaine, and glutethimide administration, effects on warfarin plasma levels and hypoprothrombinemic responses in man (MacDonald et al.), 80
- Physiology, annual review (Hall, Giese, and Sonnenschein) (B. rev.), 588
- Phytotoxicology; major problems associated with poisonous plants (Kingsbury), 163
- Piperacetazine; Quide tablets (Official lit. new drugs), 749
- Placenta, human, enzymes in, stimulatory effect of cigarette smoking on hydroxylation of 3,4-benzpyrene and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by (Welch et al.), 100
- Plants, poisonous, major problems associated with; phytotoxicology (Kingsbury), 163
- Plasma concentration of free nicotinic acid and some of its pharmacologic effects in man, relationship between (Svedmyr, Harthorn, and Lundholm), 559
- half-life of antipyrine, decreased, in workers exposed to chlorinated hydrocarbon insecticides; effect of environmental factors on drug metabolism (Kolmodin, Azarnoff, and Sjöqvist), 638
- levels, clinical response, and urinary excretion during initial attack of naturally acquired falciparum malaria; quinine, pyrimethamine, and sulphorthodimethoxine (Brooks et al.), 85
- pentazocine, relationship to pharmacological activity in man (Berkowitz et al.), 320
- warfarin, and hypoprothrombinemic responses in man, effects of phenobarbital, chloral betaine, and glutethimide administration on (MacDonald et al.), 80
- 17-hydroxycorticosteroid determinations, urinary and, effect of antimalarial drugs and collection methods on (Gilliland et al.), 551
- Platelet, human, accumulation and metabolism of biogenic amines in vivo and in vitro by, influence of debrisoquin on (Solomon et al.), 229
- as pharmacologic model for adrenergic neuron (Abrams and Solomon), 702
- Poisonous plants, major problems associated with; phytotoxicology (Kingsbury), 163
- Potassium-sparing diuretic, amiloride, clinical evaluation (Lant, Smith, and Wilson), 50

- Probenecid and sulfinpyrazone; studies of interactions among drugs in man at renal level (Perel et al.), 834
- Procyclidine, chlorpromazine-, and imipramine; effects on thyroid function in psychiatric patients (Blumberg and Klein), 350
- Profadol and morphine in patients with cancer, comparison of analgesic effects (Beaver et al.), 314
- Propranolol, effect on duration of Achilles tendon reflex (Waal-Manning), 199
- Psychopharmacology, review of progress (Efron) (B. rev.), 588
- Psychotherapeutic drugs, broad-spectrum screening; thiothixene as antipsychotic and antidepressant (Overall et al.), 36
- clinical use; current status (Hollister), 170
- Psychotropic effects of caffeine in man; quantitative and qualitative differences associated with habituation to coffee (Goldstein, Kaizer, and Whitby), 489
- questionnaire survey of coffee drinking and its effects in a group of housewives (Goldstein and Kaizer), 477
- Pyrimethamine, quinine, and sulphorhodimethoxine; clinical response, plasma levels, and urinary excretion during initial attack of naturally acquired falciparum malaria (Brooks et al.), 85

Q

- Quide tablets; piperacetazine (Official lit. new drugs), 749
- Quilene; pentapiperide methylsulfate (Official lit. new drugs), 904
- Quinine, pyrimethamine, and sulphorhodimethoxine; clinical response, plasma levels, and urinary excretion during initial attack of naturally acquired falciparum malaria (Brooks et al.), 85

R

- Radiation nausea and vomiting, controlled clinical study of metopimazine and perphenazine in treatment (Chu et al.), 800
- Rapid eye movements; differential effects of scopolamine and chlorpromazine on REM and NREM sleep in normal male subjects (Sagales, Erill, and Domino), 522
- Rauwolfia whole root and reserpine, comparative evaluation (Smith, Thurm, and Bromer), 338
- Receptor, beta-, blockade, adrenergic, perspectives in (Fitzgerald), 292
- blocking, beta-, drugs, clinical pharmacology (Dollery, Paterson, and Conolly), 765

- Reflex, Achilles tendon, effect of propranolol on duration (Waal-Manning), 199
- patellar, depression, tobacco cigarette smoking and (Domino and von Baumgarten), 72
- REM and NREM sleep in normal male subjects, differential effects of scopolamine and chlorpromazine on (Sagales, Erill, and Domino), 522
- Renal clearance of methotrexate in man, effect of organic acids on (Liegler et al.), 849
- disease, metabolism of phenacetin in patients with (Prescott), 383
- function, distribution and; relationship between kanamycin pharmacokinetics (Orme and Cutler), 543
- level, studies of interactions of drugs in man at; probenecid and sulfinpyrazone (Perel et al.), 834
- Repoise maleate; butaperazine maleate (Official lit. new drugs), 428
- Reserpine, ³H-, studies on absorption, excretion, and metabolism, in man (Maass et al.), 366
- Rauwolfia whole root and, comparative evaluation (Smith, Thurm, and Bromer), 338

S

- Scopolamine and chlorpromazine on REM and NREM sleep in normal male subjects, differential effects (Sagales, Erill, and Domino), 522
- on heart rates in man (Gravenstein and Thornby), 395
- Secobarbital, and placebo, codeine, aspirin and; response of experimental pain to analgesic drugs (Wolff et al.), 217
- Serum, biologic half-life in, influence of repetitive dosing of tetracyclines on (Doluisio and Dittert), 690
- free fatty acids, growth hormone, and insulin during trials of ACTH and synthetic subunits (Alley et al.), 515
- Shock, cardiogenic; review (Perlroth and Harrison), 449
- Skin tests, histamine, in study of antihistamine drugs, new approach to use (Joubert, Gaut, and Abrams), 250
- Sleep, REM and NREM, in normal male subjects, differential effects of scopolamine and chlorpromazine on (Sagales, Erill, and Domino), 522
- Smoking, cigarette, on hydroxylation of 3,4-benzopyrene and N-demethylation of 3-methyl-4-monomethylaminoazobenzene by enzymes in human placenta, stimulatory effect (Welch et al.), 100

Smoking—Cont'd

tobacco cigarette, and patellar reflex depression (Domino and von Baumgarten), 72

Sodium dicloxacillin monohydrate; Veracillin (Official lit. new drugs), 285

Spider's web; problems in regulatory biology (Reed and Peakall), (B. rev.), 745

Squibb Hydroxyurea; Hydrea (Official lit. new drugs), 142

Statistical solution to ethical problem (Bross et al.), 307

ward rounds (Mainland), 118, 272, 407, 576, 714, 867

Statistics: is difference statistically significant—inocent request for quack treatment (Mainland), 436

Sulfamer; Sula (Official lit. new drugs), 591

Sulfinpyrazone, probenecid and; studies of interactions among drugs in man at the renal level (Perel et al.), 834

Sulla; sulfamer (Official lit. new drugs), 591

Sulphorthodimethoxine, quinine, pyrimethamine and, clinical response, plasma levels, and urinary excretion during initial attack of naturally acquired falciparum malaria (Brooks et al.), 85

T

Tetracyclines, influence of repetitive dosing on biologic half-life in serum (Doluisio and Dittert), 690

Thiothixene as antipsychotic and antidepressant; broad-spectrum screening of psychotherapeutic drugs (Overall et al.), 36

Thyroid function in psychiatric patients; effects of chlorpromazine-procycidine and imipramine on (Blumberg and Klein), 350

Tobacco cigarette smoking and patellar reflex depression (Domino and von Baumgarten), 72

Tolazamide; Tolinaze (Official lit. new drugs), 423

Tolinaze; tolazamide (Official lit. new drugs), 423

Topical therapy of burn wound; present status (Moncrief), 439

Toxic and therapeutic effects of EMTP in obesity (Hollingsworth and Amatruda), 540

Toxicology of commercial products, clinical (Gleason et al.) (B. rev.), 419

U

Urinary drug excretion in man during oral dosage of different nitrofurantoin formulations (Conklin and Hailey), 534

excretion, clinical response, plasma levels and, during initial attack of naturally acquired falciparum malaria; quinine, pyrimethamine, and sulphorthodimethoxine (Brooks et al.), 85

and plasma 17-hydroxycorticosteroid determinations, effect of antimalarial drugs and collection methods on (Gilliland et al.), 551

V

Veracillin; sodium dicloxacillin monohydrate (Official lit. new drugs), 285

Vomiting, nausea and, radiation, controlled clinical study of metopimazine and perphenazine in treatment (Chu et al.), 800

W

Warfarin, anticoagulant action; kinetics of pharmacological effects in man (Nagashima, O'Reilly, and Levy), 22

plasma levels and hypoprothrombinemic responses in man, effects of phenobarbital, chloral betaine, and glutethimide administration on (MacDonald et al.), 80

